

Network (Push) Distribution Scenario (fault)

| User | System | Operator |
|--|--|---|
| | (fault path) | |
| | All of the messages listed below go to a log file which may be viewed by operations personnel. | Specific alerts requiring operator intervention are <i>shown in italics</i> . |
| | User actions leading to an acquire (push transfer) request in Step 1 can be analogous to step 1 in the Data Pull Scenario | |
| Aug. 28, 1997, 14:00 Jim Unlucky at the University of Houston requests a PUSH transfer of a single CERES 12aF product (produced Aug. 27,1997) | 2) LaRC Data Server receives a PUSH Data Distribution Request from Jim Unlucky for a single CERES 12aF product (334 MB in 24 files) LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; request type - acquire; request state - queued | Review the log record at operator's discretion |
| Jim provides his site address, log-on ID and password | | |
| | 2) Retrieve Data from Persistent Storage Retrieve Associated Metadata LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; request type - acquire; request state - processing; (Recalculate and compare file checksum) | Review the log and the queue record at operator's discretion |

Network (Push) Distribution Scenario (fault) (cont.)

| User | System | Operator |
|------|--|--|
| | (2. Continued) Upon completion of staging do (3) if available | |
| | LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; | |
| | requestor - Jim Unlucky, UH; | |
| | site - jims_machine; log-on ID - bummer; | |
| | request state - pending; 3 files; 836 MB | |
| | QUEUE: Aug. 25, 1997, 11:30; req. ID; | |
| | Jim Unlucky, UH; 3 files; 836 MB; | |
| | priority -M; media type - PUSH; | |
| | state - pending | |
| | | |
| | 3) Apply Data Services, such as reformatting, requestor conversion, subsetting (not A), etc. | |
| | | |
| | 4) Log-on to destination machine (jims_machine) | |
| | Transfer requested files | Review the log and the queue record at operator's discretion |
| | LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; | |
| | requestor - Jim Unlucky, UH; | |
| | site - jims_machine; log-on ID - bummer; | Operator can manually change M - medium |
| | request state - active; 3 files; 836 MB | priority of the request to L - low, or H - high |
| | QUEUE: Aug. 25, 1997, 11:30; req. ID; | |
| | Jim Unlucky, UH; 3 files; 836 MB; | |
| | priority -M; media type - PUSH; | |
| | state - active | |
| | | |

Network (Push) Distribution Scenario (fault) (cont.)

| User | System | Operator |
|---------------------------------|---|--|
| | Link goes down in mid-transfer | |
| | System retries N times (where N is determined by DAAC policy) | |
| | 4) Continued | |
| | Link is NOT re-established after N tries. | |
| | | |
| | LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; | |
| | requestor - Jim Unlucky, UH; | |
| | site - jims_machine; log-on ID - bummer; | |
| | request state - failed after N tries; 3 files; | |
| | 836 MB | |
| | | |
| | De-queue the request. | |
| | 5) Send an e-mail message to Jim Unlucky, UH: | Review the log and the queue record at |
| Jim Unlucky receives the | "request failed due to link failure". | operator's discretion |
| notification of request failure | | |
| due to link failure | LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; | |
| | requestor - Jim Unlucky, UH; | |
| | site - jims_machine; log-on ID - bummer; | |
| | request state - failed; 3 files; 836 MB | |
| | | |